

CLAIMS:

1. Coating for a steam-generating device, comprising a first layer and a second layer, wherein the first layer is essentially impermeable to water and the second layer is hydrophilic.

5 2. Coating according to claim 1, characterized in that the second layer is a porous layer.

3. Coating according to claim 1, characterized in that the first layer comprises polyimide, polyamide-imide, enamel, phosphate glass, a sol-gel-derived material, or a
10 combination thereof.

4. Coating according to claim 3, characterized in that the layer also comprises inorganic particles.

15 5. Coating according to claim 1, characterized in that the second layer comprises a phosphate glass or a sol-gel-derived material

6. Coating according to claim 1, characterized in that the second layer comprises inorganic particles

20 7. Coating according to claim 1, characterized in that the second layer comprises silica particles.

25 8. Coating according to claim 1, characterized in that the second layer comprises particles with an average diameter smaller than 1 µm.

9. Coating according to claim 1, characterized in that the layer thickness of the first layer is between 10 and 100 µm and that of the second layer is between 1 and 15 µm.

10. Coating according to claim 9, characterized in that the steam-generating device is part of an electrical domestic appliance such as a steam iron, a system iron, a steamer, a garment cleaner, a heated ironing board, or a facial steamer.